

Focus Area 24: Respiratory Diseases

Objective 24-2b calls for reduction in the hospitalization rate for asthma to 7.7 per 10,000 population aged five to 64 years.

Hospital discharge data indicate a statistically significant decline in age-adjusted rates among California residents aged 5-64 years with a principal diagnosis of asthma (ICD-9-CM code 493) from 8.2 per 10,000 in 2000 to 6.7 per 10,000 in 2005 (Figure 24-2b, Table 24-2b). This HP2010 objective is being achieved for the total population as of 2005 (all races, both sexes).

Age-adjusted asthma hospitalization rates for females aged 5-64 (8.4 per 10,000 in 2005) were significantly higher than the rate for males aged 5-64 (5.0 per 10,000 in 2005), and no significant trend was found for either males or females between 2000-2005. This HP2010 objective was being achieved for males but not for females aged 5-64 as of 2005.

Age-adjusted asthma hospitalization rates among African Americans/Blacks aged 5-64 significantly declined from 28.3 per 10,000 in 2000 to 23.8 per 10,000 in 2005. However, these rates are three times greater than the HP2010 target and are significantly higher than those for all other racial and ethnic populations. The HP2010 target is being met for all other racial and ethnic populations aged 5-64 years: Whites (6.2 per 10,000 in 2005), Hispanics/Latinos (5.2 per 10,000 in 2005), Asians/Pacific Islanders (2.8 per 10,000 in 2005), and American Indians/Alaska Natives (2.2 per 10,000 in 2005).

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

For more information on Healthy People 2010 objective 24-2b, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

Figure 24-2b
Asthma Hospitalization Rates Among Persons Aged 5-64
California, 2000-2005

Healthy People 2010 objective = 7.7

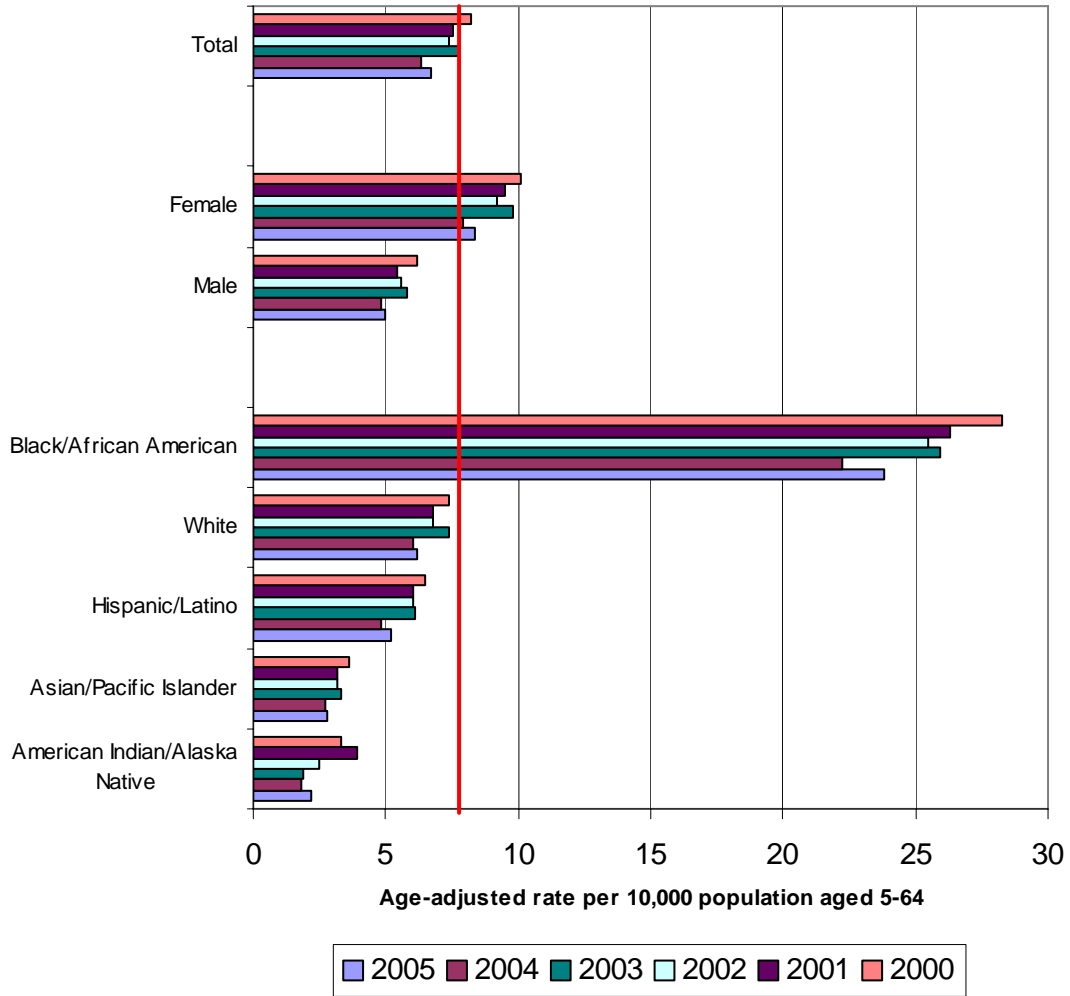


Table 24-2b: Asthma Hospitalization Rates Among Persons Aged 5-64 Years, California 2000-2005

Objective 24-2b	2000		Lower 95% C.I.	Upper 95% C.I.	2001		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		7.7				7.7		
Statewide Total	22,615	8.2	8.1	8.3	21,160	7.5	7.4	7.6
Race-Ethnicity								
American Indian/Alaska Native	55	3.3	2.4	4.2	73	3.9	3.0	4.8
Asian/Pacific Islander	1,133	3.6	3.4	3.8	1,056	3.2	3.0	3.4
Black/African American	5,349	28.3	27.5	29.0	5,029	26.3	25.5	27.0
Hispanic/Latino	5,733	6.5	6.3	6.7	5,468	6.0	5.9	6.2
White	9,399	7.4	7.3	7.6	8,759	6.8	6.7	7.0
Gender								
Female	13,847	10.1	10.0	10.3	13,309	9.5	9.4	9.7
Male	8,768	6.2	6.0	6.3	7,851	5.4	5.3	5.6

Objective 24-2b	2002		Lower 95% C.I.	Upper 95% C.I.	2003		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		7.7				7.7		
Statewide Total	21,433	7.4	7.3	7.5	22,850	7.8	7.7	7.9
Race-Ethnicity								
American Indian/Alaska Native	52	2.5	1.8	3.2	43	1.9	1.4	2.5
Asian/Pacific Islander	1,075	3.2	3.0	3.4	1,079	3.3	3.1	3.4
Black/African American	5,026	25.5	24.8	26.2	5,242	25.9	25.2	26.6
Hispanic/Latino	5,706	6.0	5.8	6.2	6,038	6.1	6.0	6.3
White	8,722	6.8	6.6	6.9	9,642	7.4	7.3	7.6
Gender								
Female	13,153	9.2	9.1	9.4	14,193	9.8	9.6	9.9
Male	8,280	5.6	5.5	5.8	8,656	5.8	5.7	5.9

Objective 24-2b	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		7.7				7.7		
Statewide Total	18,889	6.3	6.2	6.4	20,260	6.7	6.6	6.8
Race-Ethnicity								
American Indian/Alaska Native	45	1.8	1.3	2.4	57	2.2	1.6	2.7
Asian/Pacific Islander	922	2.7	2.5	2.9	996	2.8	2.6	3.0
Black/African American	4,526	22.2	21.5	22.8	4,933	23.8	23.2	24.5
Hispanic/Latino	4,978	4.8	4.7	5.0	5,440	5.2	5.1	5.4
White	7,849	6.0	5.8	6.1	8,202	6.2	6.1	6.3
Gender								
Female	11,670	7.9	7.7	8.0	12,657	8.4	8.2	8.5
Male	7,219	4.8	4.7	4.9	7,603	5.0	4.9	5.1

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;
CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

NOTES: * ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

¹ Age-adjusted rate per 10,000 population aged 5-64 years.